

AMENDMENTS TO THE CLAIMS

This listing of claims replaces all prior versions, and listings, of claims in the application.

1. (Currently amended) A touch sensitive display-(100) comprising:
 - an active matrix display element-(101) having a viewer proximal side and a viewer distal side and comprising a pixel array with rows and columns of pixels; and
 - a touch sensitive element-(103) disposed on the viewer distal side of the active matrix display element-(101) and comprising, wherein the touch sensitive element comprises:
 - a first conductive layer-(113) comprising a first plurality of conductors;
 - a second conductive layer-(115) comprising a second plurality of conductors; and
 - a pressure sensitive layer-(117) sandwiched between the first conductive layer-(113) and the second conductive layer-(115) and operable to modify an electrical conductivity between a first conductor of the first plurality of conductors and a second conductor of the second plurality of conductors in response to a pressure point resulting from an applied pressure,
 - characterized in that:
 - the first plurality of conductors are row conductors of the touch sensitive element and the second plurality of conductors are column conductors of the touch sensitive element,
 - each row of pixels shares a respective row buffer amplifier with a touch sensitive element row conductor, and
 - each column of pixels shares a respective column buffer amplifier with a touch sensitive element column conductor.
2. (Currently amended) A touch sensitive display as claimed in claim 1 wherein the touch sensitive element-(103) comprises a plurality of pressure sensitive elements.
3. (Canceled)

4. (Currently amended) A touch sensitive display as claimed in claim 2 wherein the plurality of pressure sensitive elements is aligned with pixels of the active matrix display element ~~(101)~~.

5. (Canceled)

6. (Canceled)

7. (Currently amended) A touch sensitive display as claimed in claim 1 wherein the pressure sensitive layer ~~(117)~~ comprises a piezoelectric material operable to modify the electrical conductivity.

8. (Currently amended) A touch sensitive display as claimed in claim 1 wherein the pressure sensitive layer ~~(117)~~ comprises Micro-ElectroMechanical (MEM) switches operable to modify the electrical conductivity.

9. (Currently amended) A touch sensitive display as claimed in claim 1, further comprising detection means operable to determine a position of the pressure point in response to the change in electrical conductivity between the first conductor and the second conductor.

10. (Original) A touch sensitive display as claimed in claim 9 wherein the detection means is operable to detect a plurality of simultaneous pressure points.

11. (Currently amended) A touch sensitive display as claimed in claim ~~9~~10 wherein the detection means comprise a signal source ~~(309)~~ for outputting a signal on the first conductor and a sense amplifier ~~(311)~~ coupled to the second conductor for detecting an electrical signal caused by an electrical conductivity being formed between the first conductor and the second conductor in response to the pressure point.

12. (Currently amended) A touch sensitive display as claimed in claim 11 wherein the electrical signal is an electrical charge and the sense amplifier ~~(311)~~ is a charge sensitive amplifier.

13. (Currently amended) A touch sensitive display as claimed in claim 11 further comprising a display controller ~~having a~~, wherein the display controller uses the row buffer amplifier (309) operable to provide a display control signal and wherein the touch sensitive display is operable to couple a single amplifier (309) as the buffer amplifier (309) in a display driver configuration, and as wherein the touch sensitive display is further operable to use the row buffer amplifier as a signal source (309) in a pressure point detection configuration.

14. (Currently amended) A touch sensitive display as claimed in claim 11 further comprising a display controller ~~having a~~, wherein the display controller uses the column buffer amplifier (311) operable to provide a display control signal and wherein the touch sensitive display is operable to couple a single amplifier (311) as the buffer amplifier (311) in a display driver configuration, and wherein the touch sensitive display is further operable to use the column buffer amplifier as the sense amplifier (311) in a pressure point detection configuration.

15. (Original) A portable device comprising a touch sensitive display as claimed in claim 1.